

$$5 \log_3 x = 27$$

$$\log_7 (n+4) = 2$$

$$6^{2x} + 8 = 23$$

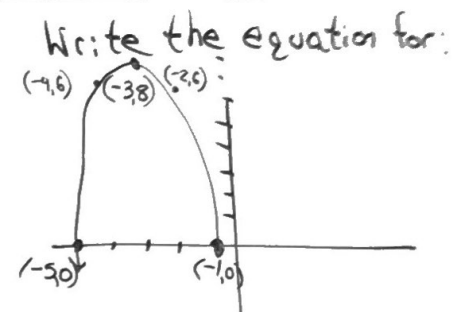
Condense into one logarithmic expression

$$3 \log 4 + \log 9 - \log x$$

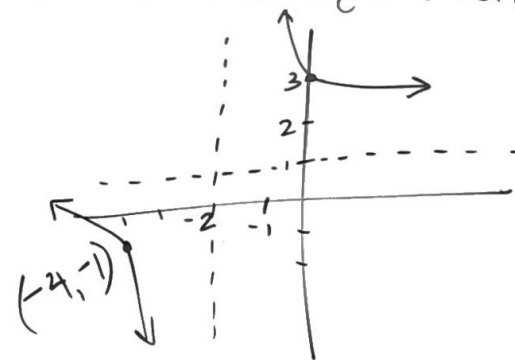
Expand

$$\log_{11} \left( \frac{x^7}{m^2} \right)$$

Graph  $y = \frac{5x-3}{x+2}$



Write the equation for:



Nora is working to hold a note for a long time. Right now, she can hold a note for 3 sec. After one day of practice, she can hold the note for 3.5 sec. After 2 days of practice, she can hold it for 5 sec. After 3 days of practice, 7.5 sec. and so on. Write an equation to show the relationship between days "d" and seconds "s".